

# Shenzhen FREEDIO Electronic Technology Co., Limited

East Wing, 5/F, Block 2, Vision Business Park, No.9 Gaoxin 9th S. Rd., Hi-tech Ind. Park, Nanshan Shenzhen, China

Date: September 3, 2013

Subject: FCC Application for FCC ID: Q8Y-FR1213C3

To Whom It May Concern:

There's a WIFI MODULE that would like to have your authorization as a Limited Single Modular Approval.

The specific product as below, Wireless Module with its designed features and specified description, meets special requirements for Limited Single Modular Approval on FCC Part 15.212 by cross-reference list below.

Company: Shenzhen FREEDIO Electronic Technology Co., Limited

Product Name: WIFI MODULE

Antenna: Dipole

Unique Antenna Connector: UFL

Model Number: FR1213C3/FR1213C1/FR1213C5/FR1213C6/FR1213C7

FCC ID: Q8Y-FR1213C3

## Request for Limited Single Modular Approval

Requirement of FCC Part 15.212	Reference to FR1213C3
1. The radio elements of the modular transmitter must have their own shielding.	The Radio part of this module is not covered by the shielding material, therefore this is a LMA submission. (The module is designed for the specific host with FCC ID: E2K24GBRL)
2. The modular transmitter must have buffered modulation/ data inputs.	The modular has buffered data inputs, it is integrated in chip Wireless Module. Please see block diagram.pdf
3. The modular transmitter must have its own power supply regulation	The modular transmitter has its own power supply regulation built in FR1213C3. Please see schematics.pdf
4. The modular transmitter must comply with the antenna and transmission system requirements of Section 15.203, 15.204 (b) and 15.204 (c).	The FR1213C3 meets the FCC antenna requirements. It has a unique connector( <b>UFL Connector</b> ). Please see external photo.pdf
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	The FR1213C3 was tested with an extender board (Manufacturer: Shenzhen FREEDIO electronic technology Co., Limited, Model Name: REG1117-3.3) under the stand alone test configuration. Please refer to Setup Photo in details.
6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	The label position of FR1213C3 is clearly indicated. Please see the label.pdf
7. The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	The FR1213C3 is compliant with all applicable FCC rules. Detail instructions are given in the Users Manual. Please see user manual.pdf
8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The FR1213C3 comply with applicable RF exposure requirements. Please see test report. pdf

Sincerely,

Company Officer: Dezhi Huang

Dezhi Huang  
Company Officer

